Special Issue

Marine Zooplankton Ecology and Biodiversity

Message from the Guest Editors

Zooplankton diversity is characterized by spatial differences in community composition in the neritic environment, the coastal shelf, and deep offshore waters. Changes in species diversity were the greatest on interannual scales, intermediate on seasonal scales, and the smallest across regions, in contrast to abundance patterns, suggesting that zooplankton diversity may be a more sensitive indicator of ecosystem response to interannual climate variation than zooplankton abundance. Bathymetry, the proximity of the coast, and advection probably drive zooplankton and micronekton diversity patterns, while ocean-basin-scale diversity patterns probably contribute to the increase in diversity. This Special Issue offers updated data that could be used to monitor and evaluate the impact of zooplankton ecology and species diversity in changing ecosystems. It is recommended to conduct more and detailed studies in all areas to cover the gaps in marine biodiversity data. The long-term observations and modelling analysis of biodiversity must be effectively communicated to managers and incorporated into ecosystem approaches for the management of living marine resources.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

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